

### Technical Data Sheet

## Durostone<sup>®</sup> Tubes EPC 22H

GFK-EP

#### Typical characteristics

- Good mechanical properties
- Good electrical properties
- Epoxy (EP) resin matrix reinforced with an e-glass fabric

#### Typical industries

- Dry transformers
- Electrical Industry
- Electrical Insulating Components
- Oil-filled transformers
- Pipelines

	Test method	Unit	Guideline value
<b>Mechanical properties</b>			
Density	ISO 1183	g / cm <sup>3</sup>	1.70 - 1.90
Flexural strength $\perp$	ISO 178	MPa	250
Compressive strength $\perp$	ISO 604	MPa	175
Flexural strength $\perp$ +180°C	ISO 178	MPa	180
Cohesion between layers	PN-EN 61212-2	MPa	200
<b>Thermal properties</b>			
Temperature index	IEC 60216	T.I.	180
<b>Physical properties</b>			
Water absorption	PN-EN 61212-2	mg/cm <sup>2</sup>	< 1.5
<b>Dielectrical properties</b>			
Electric strength 90°C under oil $\perp$	IEC 60243	kV / mm	13
Electric strength 90°C under oil II	IEC 60243	kV/25mm	60
Insulating resistance	IEC 60093	$\Omega$	10 <sup>10</sup>
Dissipation factor (50 Hz)	IEC 60250	tan $\delta$	0.02

